Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	A01G	GABLE	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787 — 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:49 2022 Page 1

ID:vOA2YBXCekG_xwMlHml7kuyHsUl-iF7RK94EMxs8cPZ46gYabKgCP1S24DwTxxR2cxzz2fG

1-4-0	4-7-6	8-2-0	10-2-13	17-0-0	23-0-0	29-0-0	35-9-3	37-10-0	41-4-10	46-0-0	47-4-0
1-4-0	4-7-6	3-6-10	2-0-13	6-9-3	6-0-0	6-0-0	6-9-3	2-0-13	3-6-10	4-7-6	1-4-0

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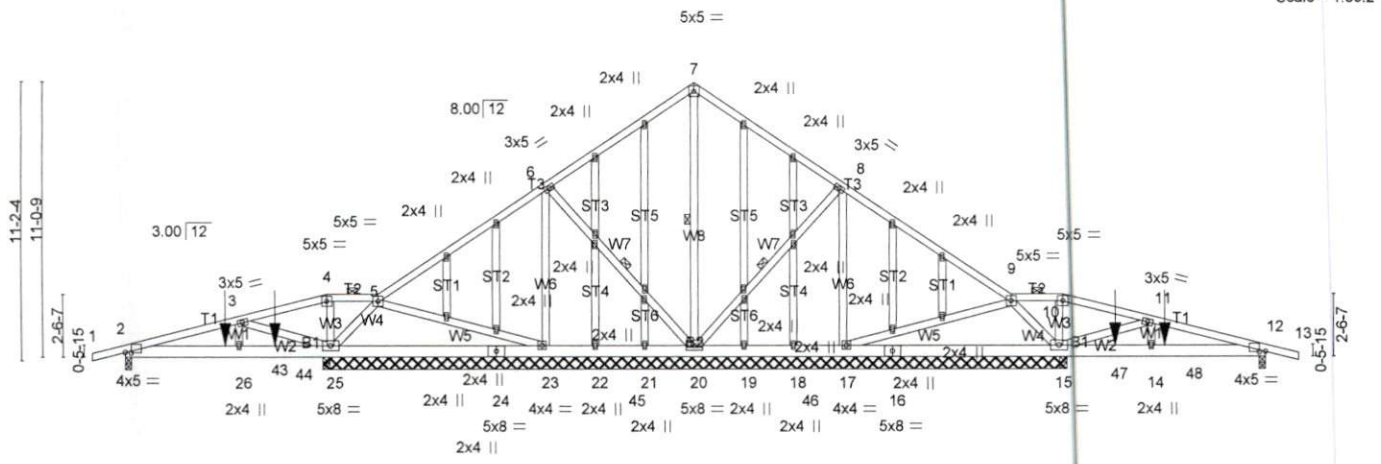

4-7-6	8-0-0	8-2-0	17-0-0	23-0-0	29-0-0	37-10-0	38-0-0	41-4-10	46-0-0
4-7-6	3-4-10	0-2-0	8-10-0	6-0-0	6-0-0	8-10-0	0-2-0	3-4-10	4-7-6

Plate Offsets (X,Y)-- [2:0-2-14,0-0-3], [12:0-2-14,0-0-3]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.03	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.05	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 365 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 4-5, 9-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 23-25,15-17.
WEBS 1 Row at midpt 6-20, 7-20, 8-20

REACTIONS. All bearings 30-0-0 except (jt=length) 2=0-3-0, 12=0-3-0.
(lb) - Max Horz2=-246(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 23, 17, 22, 18 except 2=-237(LC 8), 25=-396(LC 8), 20=-211(LC 8), 15=-396(LC 8), 12=-237(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 21, 19 except 2=567(LC 19), 25=1537(LC 19), 25=1535(LC 1), 23=660(LC 13), 20=507(LC 1), 17=652(LC 14), 15=1537(LC 20), 15=1535(LC 1), 12=567(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-976/359, 3-4=-238/699, 4-5=-218/676, 9-10=-218/676, 10-11=-238/699, 11-12=-976/329
BOT CHORD 2-43=-343/904, 26-43=-343/904, 26-44=-343/904, 25-44=-343/904, 24-25=-334/270, 23-24=-334/270, 16-17=-334/193, 15-16=-334/193, 15-47=-280/904, 14-47=-280/904, 14-48=-280/904, 12-48=-280/904
WEBS 3-26=-248/712, 3-25=-1648/600, 4-25=-295/91, 5-25=-569/172, 5-23=-146/376, 6-23=-327/111, 7-20=-316/15, 8-17=-317/111, 9-17=-169/376, 9-15=-569/172, 10-15=-295/99, 11-15=-1648/600, 11-14=-249/712

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Truswood standard detail "Gable BR-1" for bracing information.
4) Provide adequate drainage to prevent water ponding.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 17, 22, 18 except (jt=lb) 2=237, 25=396, 20=211, 15=396, 12=237.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 523 lb down and 161 lb up at 4-0-12, 288 lb down and 62 lb up at 6-0-12, and 288 lb down and 62 lb up at 39-11-4, and 523 lb down and 161 lb up at 41-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-60, 5-7=-60, 7-9=-60, 9-10=-60, 10-13=-60, 2-12=-20
Concentrated Loads (lb)
Vert: 43=-523(F) 44=-288(F) 47=-288(F) 48=-523(F)

NORTH CAROLINA PROFESSIONAL SEAL 032665 ENGINEER JEFFREY M. RUPPERT

01/03/2022

This is a copy of a design for an individual component based on the design criteria shown on this sheet only. The use of this component on a specific building is the responsibility of the Building Designer. References to specific jobs, lots, locations, quantities and other documents are for information only and are beyond the scope of this engineer's responsibility and liability.

Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	A02	ROOF SPECIAL	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787 Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:16 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUl-AvdyOtgY7oiq8LYkgFSrlMpbwk4kslzcLIyoxLzz2fn

-1-4-0	5-3-6	10-2-0	10-11-13	16-11-14	23-0-0	29-0-2	35-0-3	35-10-0	40-8-10	46-0-0	47-4-0
1-4-0	5-3-6	4-10-10	0-9-13	6-0-2	6-0-2	6-0-2	6-0-2	0-9-13	4-10-10	5-3-6	1-4-0

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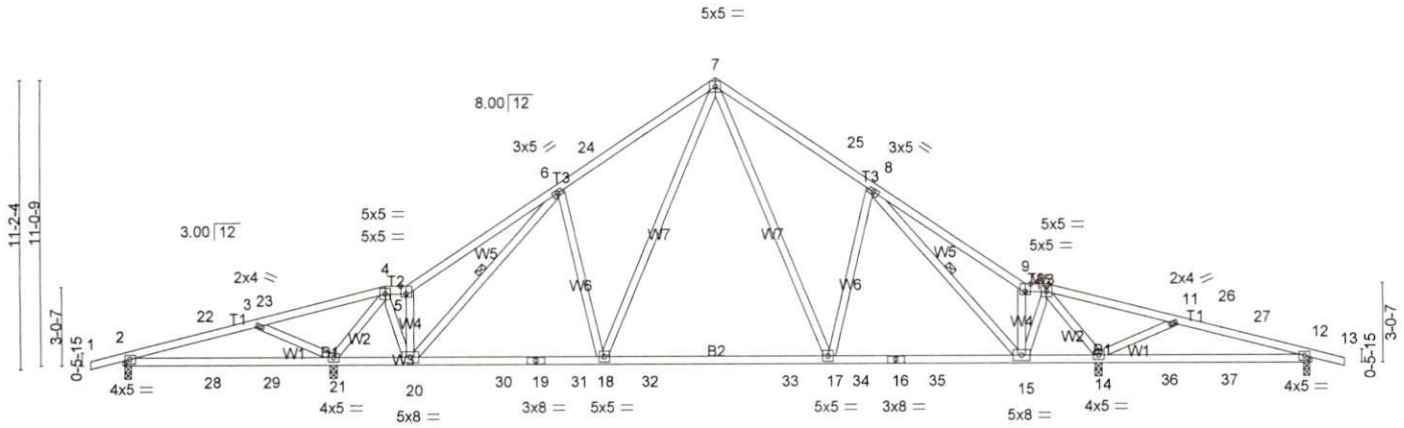


8-1-12	10-11-13	18-6-0	27-6-0	35-0-3	37-10-4	46-0-0
8-1-12	2-10-1	7-6-3	9-0-0	7-6-3	2-10-1	8-1-12

Plate Offsets (X,Y)-- [5:0-2-8,Edge], [9:0-2-8,Edge]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	0.28	2-21	>341	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	0.22	2-21	>442	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 263 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

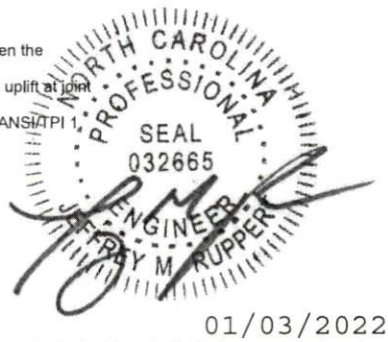
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5, 9-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-21,12-14.
WEBS 1 Row at midpt 6-20, 8-15

REACTIONS. All bearings 0-3-0 except (jt=length) 21=0-3-8, 14=0-3-8.
(lb) - Max Horz2=238(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-173(LC 8), 21=-355(LC 12), 14=-355(LC 12), 12=-166(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 12 except 21=1924(LC 2), 14=1924(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-15/510, 3-22=0/552, 3-23=-251/926, 4-23=-250/988, 4-5=-758/56, 5-6=-924/161, 6-24=-1318/426, 7-24=-1222/463, 7-25=-1246/459, 8-25=-1342/422, 8-9=-902/151, 9-10=-711/47, 10-26=-236/918, 11-26=-237/856, 11-27=0/485, 12-27=-15/443
BOT CHORD 2-28=-504/36, 28-29=-504/36, 21-29=-504/36, 20-21=0/401, 20-30=-50/1181, 19-30=-50/1181, 19-31=-50/1181, 18-31=-50/1181, 18-32=0/870, 32-33=0/870, 17-33=0/870, 17-34=-31/1068, 16-34=-31/1068, 16-35=-31/1068, 15-35=-31/1068, 14-15=0/317, 14-36=-424/36, 36-37=-424/36, 12-37=-424/36
WEBS 3-21=-555/391, 4-21=-1948/310, 4-20=-167/1304, 5-20=-629/216, 6-20=-583/212, 6-18=-257/264, 7-18=-175/667, 7-17=-177/681, 8-17=-257/266, 8-15=-574/203, 9-15=-663/213, 10-15=-169/1303, 10-14=-1926/305, 11-14=-555/390

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 3-3-3, Interior(1) 3-3-3 to 10-2-0, Exterior(2E) 10-2-0 to 10-11-13, Interior(1) 10-11-13 to 23-0-0, Exterior(2R) 23-0-0 to 27-7-3, Interior(1) 27-7-3 to 35-10-0, Exterior(2R) 35-10-0 to 40-5-3, Interior(1) 40-5-3 to 47-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 2, 355 lb uplift at joint 21, 355 lb uplift at joint 14 and 166 lb uplift at joint 12.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



01/03/2022

Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	A03	ROOF SPECIAL	6	1	Job Reference (optional)

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Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:17 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUl-e5BLcChAu5qhmU7wEyz4laLlS8Q3bgUlayhMTnzz2fm

-1-4-0	5-11-3	11-5-11	17-2-13	23-0-0	28-9-3	34-6-6	40-0-13	46-0-0	47-4-0
1-4-0	5-11-3	5-6-7	5-9-3	5-9-3	5-9-3	5-9-3	5-6-7	5-11-3	1-4-0

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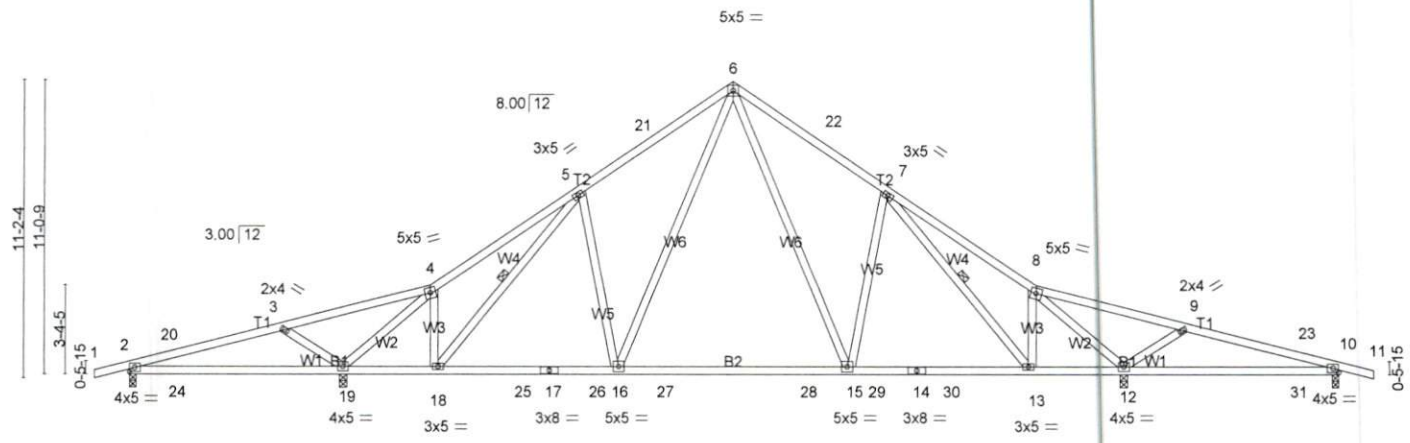

8-1-12	11-5-11	18-6-0	27-6-0	34-6-6	37-10-4	46-0-0
8-1-12	3-3-15	7-0-5	9-0-0	7-0-6	3-3-15	8-1-12

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	0.29	2-19	>334	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	0.22	2-19	>433	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 258 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-19,10-12.
WEBS 1 Row at midpt 7-13, 5-18

REACTIONS. All bearings 0-3-0 except (jt=length) 12=0-3-8, 19=0-3-8.
(lb) - Max Horz2=-228(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-206(LC 8), 12=-352(LC 12), 19=-352(LC 12), 10=-201(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 12=1895(LC 2), 19=1895(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-31/438, 3-20=-23/496, 3-4=-200/863, 4-5=-1095/203, 5-21=-1335/425, 6-21=-1244/458, 6-22=-1268/456, 7-22=-1359/427, 7-8=-1090/198, 8-9=-194/793, 9-23=-23/428, 10-23=-31/371
BOT CHORD 2-24=-446/53, 19-24=-446/53, 18-19=0/936, 18-25=-29/1196, 17-25=-29/1196, 17-26=-29/1196, 16-26=-29/1196, 16-27=0/886, 27-28=0/886, 15-28=0/886, 15-29=-21/1096, 14-29=-21/1096, 14-30=-21/1096, 13-30=-21/1096, 12-13=0/829, 12-31=-366/53, 10-31=-366/53
WEBS 6-15=-173/696, 7-15=-279/256, 7-13=-390/137, 8-13=0/450, 8-12=-2113/316, 9-12=-528/317, 6-16=-172/682, 5-16=-279/255, 5-18=-385/141, 4-18=0/441, 4-19=-2138/314, 3-19=-528/318

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 23-0-0, Exterior(2R) 23-0-0 to 26-0-0, Interior(1) 26-0-0 to 47-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 2, 352 lb uplift at joint 12, 352 lb uplift at joint 19 and 201 lb uplift at joint 10.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	A04	ROOF SPECIAL	11	1	Job Reference (optional)

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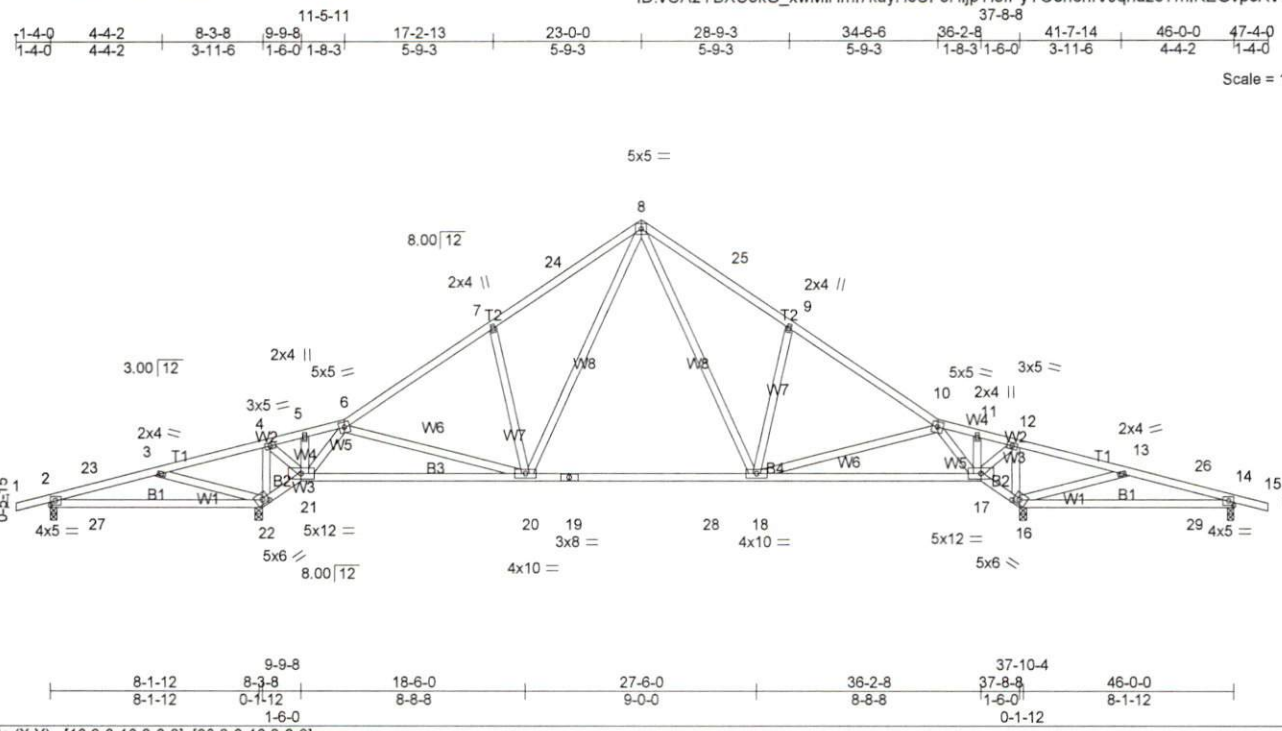

Plate Offsets (X,Y)-- [16:0-2-12,0-2-0], [22:0-2-12,0-2-0]

LOADING(psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.45	Vert(LL) 0.37 14-16 >267 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.85	Vert(CT) 0.28 14-16 >350 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.04 16 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S		Weight: 255 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-9 oc bracing.

REACTIONS. All bearings 0-3-0 except (jt=length) 22=0-3-8, 16=0-3-8.
(lb) - Max Horz2=-228(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-233(LC 8), 22=-345(LC 12), 14=-225(LC 9), 16=-345(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 14 except 22=1918(LC 2), 16=1917(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=0/628, 3-23=0/664, 3-4=-208/1184, 6-7=-1362/321, 7-24=-1312/427, 8-24=-1221/459, 8-25=-1241/458, 9-25=-1332/429, 9-10=-1358/320, 12-13=-198/1052, 13-26=0/559, 14-26=0/521
BOT CHORD 2-27=-548/0, 22-27=-548/0, 21-22=-1074/389, 20-21=0/783, 19-20=0/848, 19-28=0/848, 18-28=0/848, 17-18=0/671, 16-17=-1089/385, 16-29=-492/0, 14-29=-492/0
WEBS 8-18=-176/685, 9-18=-373/296, 10-18=-66/450, 10-17=-1362/437, 12-17=0/1038, 12-16=-1092/93, 13-16=-592/400, 8-20=-175/674, 7-20=-374/296, 6-20=-69/446, 6-21=-1384/436, 4-21=0/1108, 4-22=-1152/93, 3-22=-592/401

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 23-0-0, Exterior(2R) 23-0-0 to 26-0-0, Interior(1) 26-0-0 to 47-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 2, 345 lb uplift at joint 22, 225 lb uplift at joint 14 and 345 lb uplift at joint 16.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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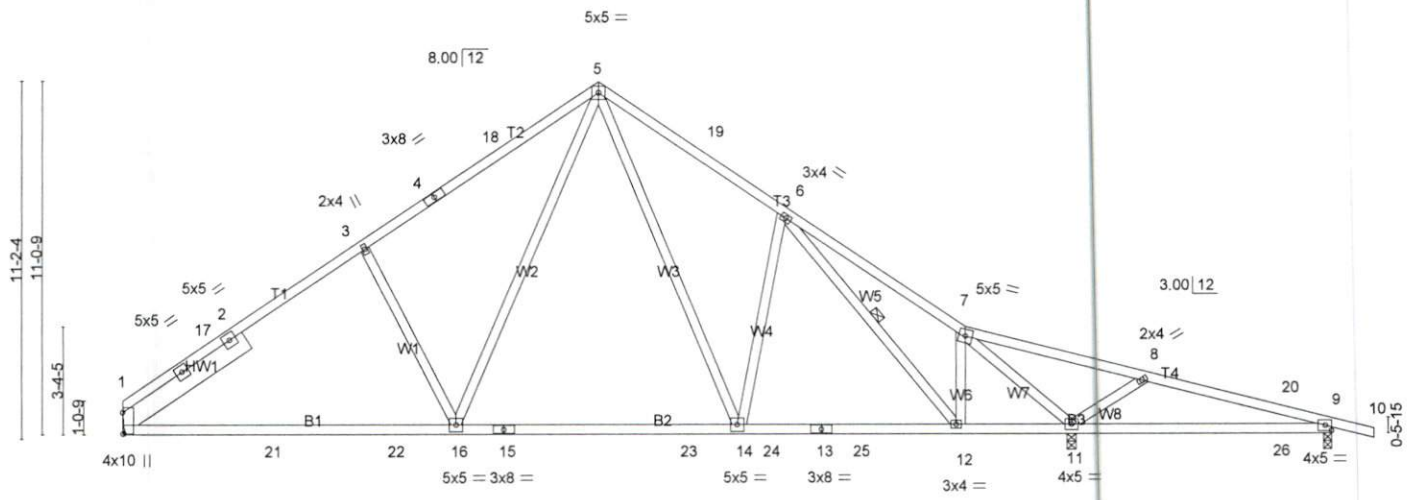
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	A06	ROOF SPECIAL	14	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787 Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:19 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUl-bTJ51uiQQj4P?oGJLN0YN?R?Dy5B3YC21GATYgzz2fk

7-7-12	15-0-0	20-9-3	26-6-5	32-0-13	38-0-0	39-4-0
7-7-12	7-4-4	5-9-3	5-9-3	5-6-7	5-11-3	1-4-0

Scale = 1:69.5



10-6-0	19-6-0	26-6-5	29-10-4	38-0-0
10-6-0	9-0-0	7-0-5	3-3-15	8-1-12

Plate Offsets (X,Y)-- [1:0-8-2,0-0-2]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	0.29	9-11	>334	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.61	1-16	>588	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 219 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 4-8-15

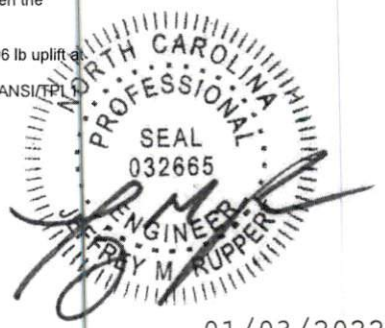
BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-12

REACTIONS. (lb/size) 1=1140/Mechanical, 11=1761/0-3-8 (min. 0-2-5), 9=216/0-3-0 (min. 0-1-8)
Max Horz1=-264(LC 10)
Max Uplift1=-149(LC 12), 11=-363(LC 12), 9=-206(LC 9)
Max Grav1=1352(LC 17), 11=1976(LC 2), 9=236(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1721/374, 2-17=-1641/377, 2-3=-1594/411, 3-4=-1559/456, 4-18=-1448/478, 5-18=-1436/500, 5-19=-1340/502, 6-19=-1428/475, 6-7=-1137/239, 7-8=-186/841, 8-20=-10/474, 9-20=-18/417
BOT CHORD 1-21=-180/1487, 21-22=-180/1487, 16-22=-180/1487, 15-16=0/995, 15-23=0/995, 14-23=0/995, 14-24=-60/1181, 13-24=-60/1181, 13-25=-60/1181, 12-25=-60/1181, 11-12=0/892, 11-26=-410/41, 9-26=-410/41
WEBS 3-16=-361/337, 5-16=-187/850, 5-14=-175/648, 6-14=-268/248, 6-12=-421/144, 7-12=0/485, 7-11=-2222/354, 8-11=-530/316

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 15-0-0, Exterior(2R) 15-0-0 to 18-0-0, Interior(1) 18-0-0 to 39-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 1, 363 lb uplift at joint 11 and 206 lb uplift at joint 9.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



01/03/2022

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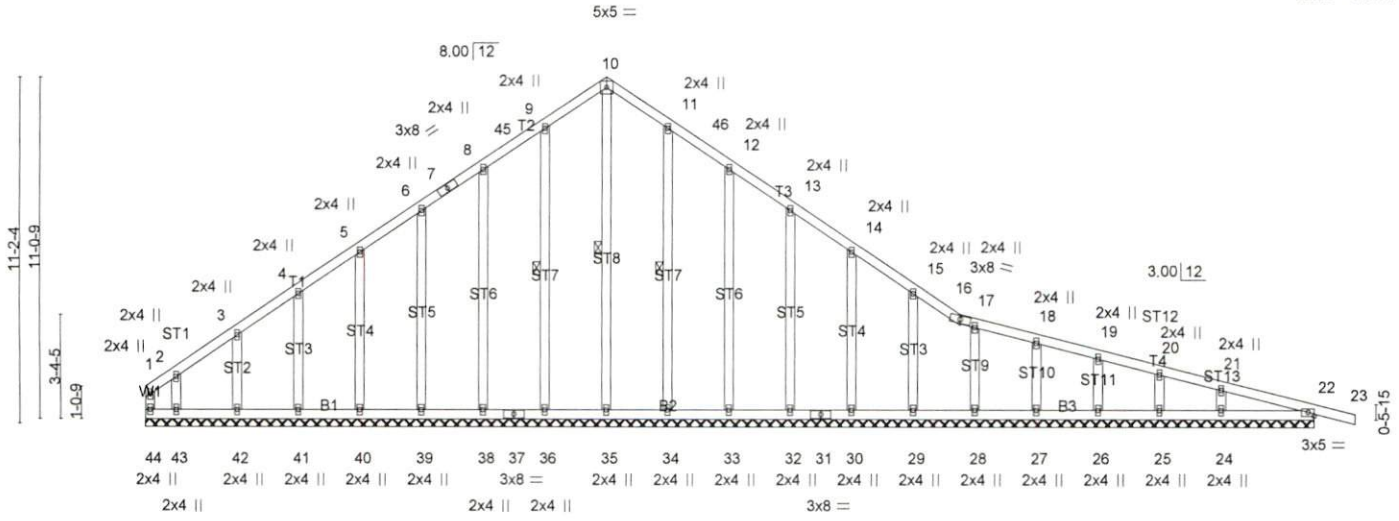
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	A06E	Roof Special Supported Gable	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:21 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUl-XsQrSakgyKK6F6QhTo20SQWY3lzSXeeLVafZcZzz2fi

15-0-0 | 26-6-5 | 38-0-0 | 39-4-0
15-0-0 | 11-6-5 | 11-5-11 | 1-4-0

Scale = 1:71.7



38-0-0
38-0-0

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	-0.00	23	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	23	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 255 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-35, 9-36, 11-34

REACTIONS. All bearings 38-0-0.
(lb) - Max Horz44=-278(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 36, 38, 39, 40, 41, 42, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 22 except 44=-216(LC 10), 43=-152(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 44, 36, 38, 39, 40, 41, 42, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 22 except 35=283(LC 12), 43=251(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-45=-133/313, 9-45=-121/318, 9-10=-157/375, 10-11=-157/381, 11-46=-121/325, 12-46=-133/319, 12-13=-104/254
WEBS 10-35=-302/88

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-1-12 to 3-0-0, Exterior(2N) 3-0-0 to 15-0-0, Corner(3R) 15-0-0 to 18-0-0, Exterior(2N) 18-0-0 to 39-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Truswood standard detail "Gable BR-1" for bracing information.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 36, 38, 39, 40, 41, 42, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 22 except (jt=lb) 44=216, 43=152.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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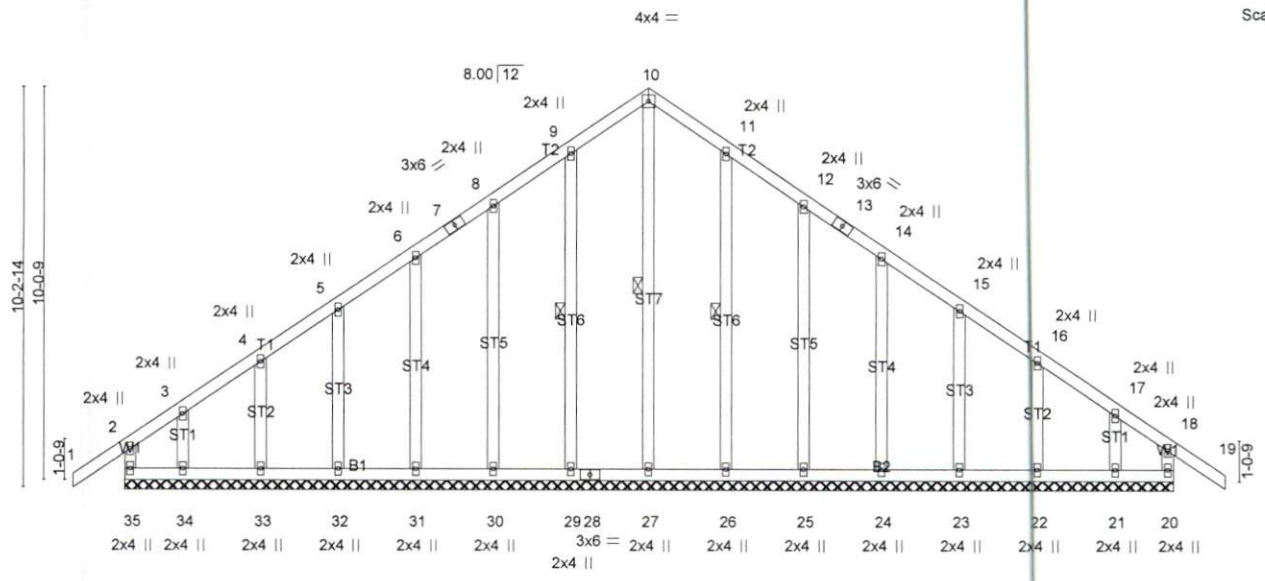
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	B01E	Common Supported Gable	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:22 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUI-?2_EfwlJjeSzsG?t0VZF?d3iA9J_G5MUkEP78?zz2fh

-1-4-0 / 1-4-0 | 13-6-0 / 13-6-0 | 27-0-0 / 13-6-0 | 28-4-0 / 1-4-0

Scale = 1:57.0



LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.01	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.3

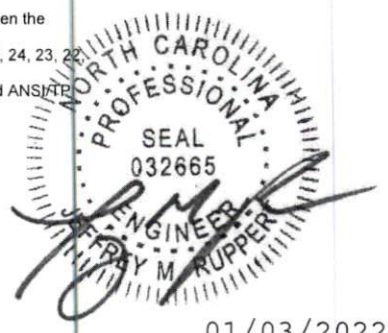
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-27, 9-29, 11-26

REACTIONS. All bearings 27-0-0.
(lb) - Max Horz35=271(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 20, 29, 30, 31, 32, 33, 26, 25, 24, 23, 22, 21 except 35=-100(LC 10), 34=-100(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 35, 20, 29, 30, 31, 32, 33, 34, 26, 25, 24, 23, 22, 21 except 27=286(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-168/286, 9-10=-204/344, 10-11=-204/344, 11-12=-168/286
WEBS 10-27=-302/121

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-6-0, Exterior(2N) 1-6-0 to 13-6-0, Corner(3R) 13-6-0 to 16-6-0, Exterior(2N) 16-6-0 to 28-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Truswood standard detail "Gable BR-1" for bracing information.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 29, 30, 31, 32, 33, 26, 25, 24, 23, 22, 21 except (jt=lb) 35=100, 34=100.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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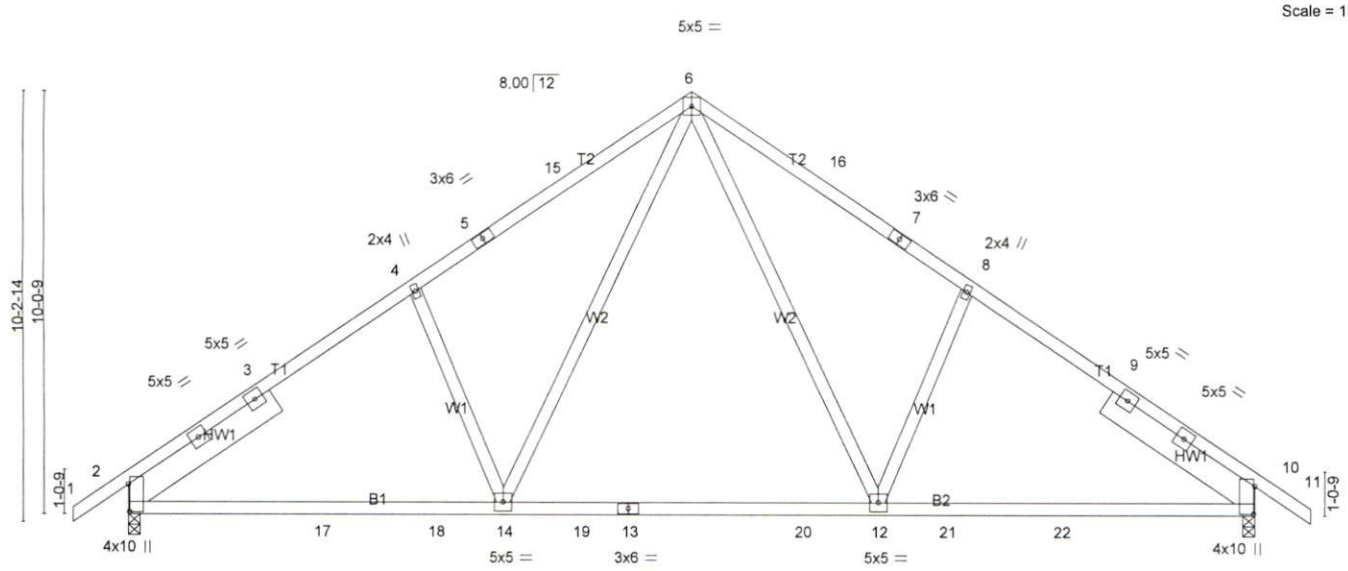
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	B02	Common	12	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787 Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:23 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUl-TFYcsGlxUxaqUPa4aD4UXrbk7ZRL?WZeyu8ghRzz2fg

-1-4-0	6-10-12	13-6-0	20-1-4	27-0-0	28-4-0
1-4-0	6-10-12	6-7-4	6-7-4	6-10-12	1-4-0

Scale = 1:52.8



9-0-0	18-0-0	27-0-0
9-0-0	9-0-0	9-0-0

Plate Offsets (X,Y)-- [2:0-7-14,0-0-6], [10:0-7-14,0-0-6]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.20	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.34	2-14	>958	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 167 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 4-3-9, Right 2x8 SP No.2 4-3-9

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 2=1160/0-3-8 (min. 0-1-9), 10=1160/0-3-8 (min. 0-1-9)
Max Horz2=239(LC 11)
Max Uplift2=-202(LC 12), 10=-202(LC 12)
Max Grav2=1335(LC 17), 10=1335(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1629/229, 3-4=-1528/260, 4-5=-1488/309, 5-15=-1393/329, 6-15=-1387/349, 6-16=-1387/349, 7-16=-1393/329, 7-8=-1488/309, 8-9=-1528/260, 9-10=-1629/229
BOT CHORD 2-17=-93/1378, 17-18=-93/1378, 14-18=-93/1378, 14-19=0/956, 13-19=0/956, 13-20=0/956, 12-20=0/956, 12-21=-83/1230, 21-22=-83/1230, 10-22=-83/1230
WEBS 6-12=-120/742, 8-12=-301/239, 6-14=-120/742, 4-14=-301/239

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-6-0, Exterior(2R) 13-6-0 to 16-6-0, Interior(1) 16-6-0 to 28-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 10=202.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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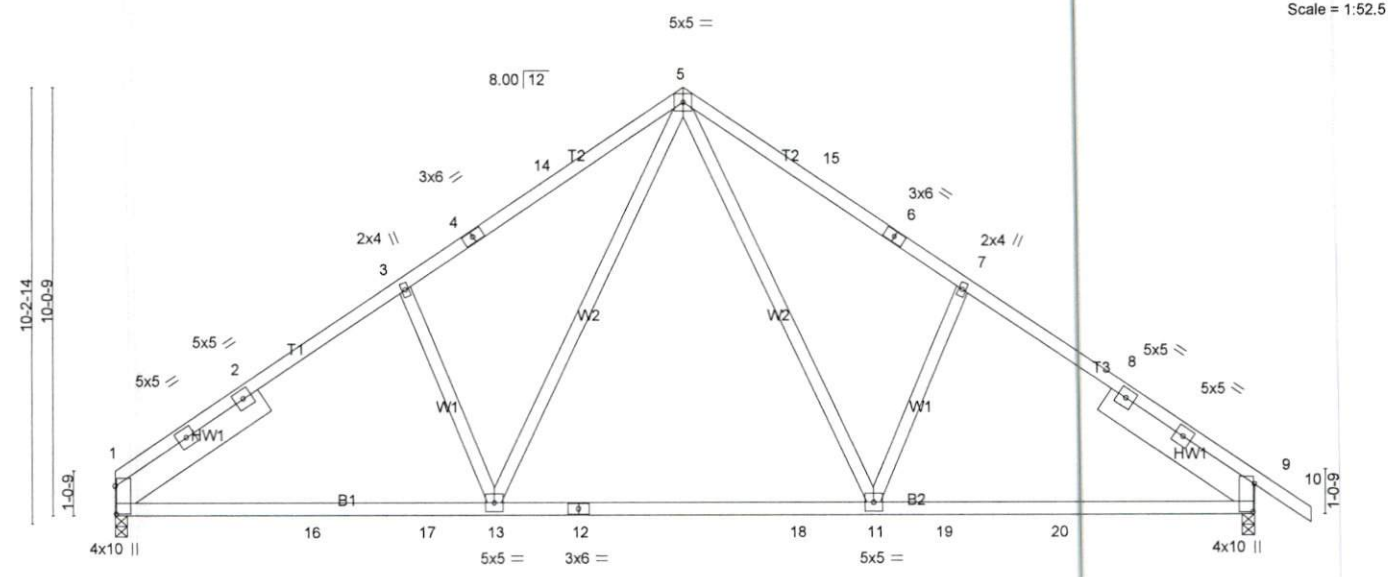
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	B03	Common	5	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:24 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUI-xR6_4cmZEFih6Z9G8wcj428vqznWkznnBYuEDtzz2ff

6-10-12	13-6-0	20-1-4	27-0-0	28-4-0
6-10-12	6-7-4	6-7-4	6-10-12	1-4-0

Scale = 1:52.5



9-0-0	18-0-0	27-0-0
9-0-0	9-0-0	9-0-0

Plate Offsets (X,Y)-- [1:0-7-14,0-0-6], [6:0-0-0,0-0-0], [9:0-7-14,0-0-6]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.19	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.34	1-13	>941	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 4-3-9, Right 2x8 SP No.2 4-3-9

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 1=1078/0-3-8 (min. 0-1-8), 9=1162/0-3-8 (min. 0-1-9)
Max Horz1=-238(LC 10)
Max Uplift1=-146(LC 12), 9=-203(LC 12)
Max Grav1=1259(LC 17), 9=1335(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1634/232, 2-3=-1531/265, 3-4=-1493/315, 4-14=-1398/335, 5-14=-1391/355, 5-15=-1387/350, 6-15=-1393/329, 6-7=-1488/310, 7-8=-1528/261, 8-9=-1630/230
BOT CHORD 1-16=-95/1384, 16-17=-95/1384, 13-17=-95/1384, 12-13=0/957, 12-18=0/957, 11-18=0/957, 11-19=-85/1231, 19-20=-85/1231, 9-20=-85/1231
WEBS 5-11=-120/741, 7-11=-301/239, 5-13=-123/747, 3-13=-308/241

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-6-0, Exterior(2R) 13-6-0 to 16-6-0, Interior(1) 16-6-0 to 28-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=146, 9=203.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

NORTH CAROLINA PROFESSIONAL SEAL 032665 ENGINEER TROY M. RUPPERT

01/03/2022

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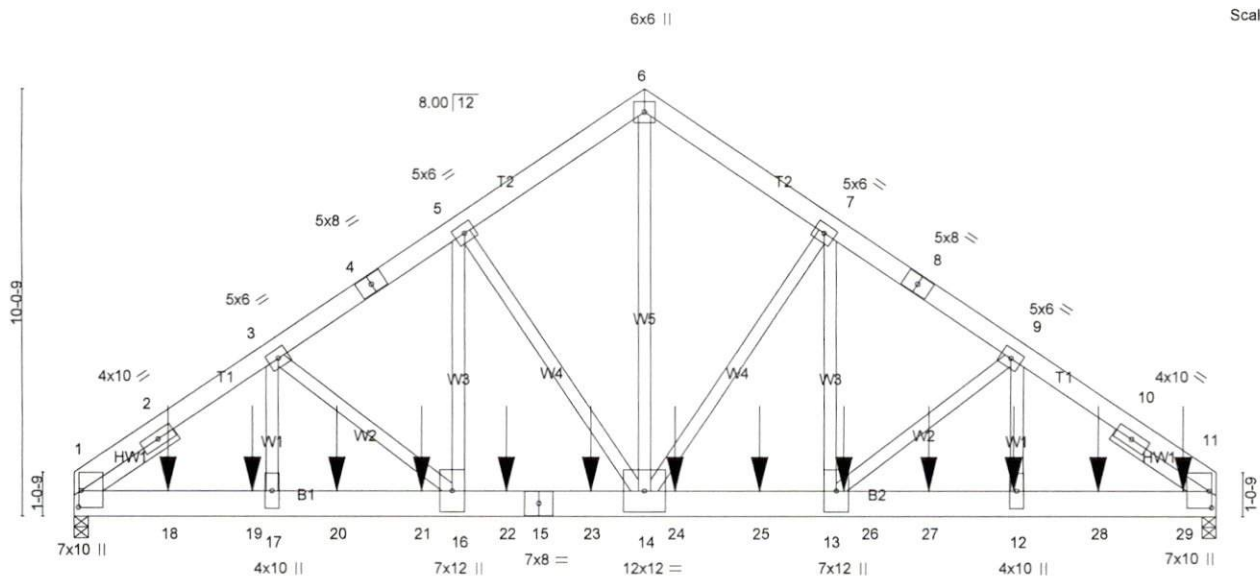
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	B04G	COMMON GIRDER	1	3	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:26 2022 Page 1
ID:vOA2YBXCekG_xwMlHmI7kuyHsUl-tqEkVHopmsyPLtJfFLeB9TDBzmWKCmJ4esNKImzz2fd

4-8-5	9-1-3	13-6-0	17-10-13	22-3-11	27-0-0
4-8-5	4-4-13	4-4-13	4-4-13	4-4-13	4-8-5

Scale = 1:52.1



4-8-5	9-1-3	13-6-0	17-10-13	22-3-11	27-0-0
4-8-5	4-4-13	4-4-13	4-4-13	4-4-13	4-8-5

Plate Offsets (X,Y)-- [1:0-4-12,0-0-11], [11:0-4-12,0-0-11]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.11	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.20	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 738 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.3 *Except*
W5: 2x4 SP No.2
SLIDER Left 2x4 SP No.2 2-7-10, Right 2x4 SP No.2 2-7-10

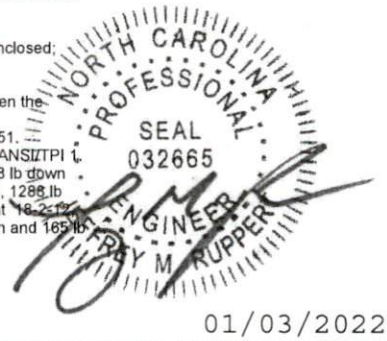
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=7947/0-4-0 (min. 0-3-8), 11=8754/0-4-0 (min. 0-3-13)
Max Horz1=229(LC 26)
Max Uplift1=-1137(LC 8), 11=-1251(LC 8)
Max Grav1=8845(LC 2), 11=9772(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-12396/1599, 2-3=-12334/1617, 3-4=-10443/1408, 4-5=-10378/1428, 5-6=-8275/1209, 6-7=-8274/1209, 7-8=-10388/1429, 8-9=-10453/1409, 9-10=-12414/1627, 10-11=-12473/1608
BOT CHORD 1-18=-1194/9701, 18-19=-1194/9701, 17-19=-1194/9701, 17-20=-1194/9701, 20-21=-1194/9701, 16-21=-1194/9701, 16-22=-1011/8746, 15-22=-1011/8746, 15-23=-1011/8746, 14-23=-1011/8746, 14-24=-1012/8753, 24-25=-1012/8753, 13-25=-1012/8753, 13-26=-1203/9774, 26-27=-1203/9774, 12-27=-1203/9774, 12-28=-1203/9774, 28-29=-1203/9774, 11-29=-1203/9774
WEBS 6-14=-1224/8845, 7-14=-3419/533, 7-13=-444/3689, 9-13=-1340/246, 9-12=-287/2723, 5-14=-3406/531, 5-16=-442/3671, 3-16=-1255/236, 3-17=-276/2641

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1137, 11=1251.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1288 lb down and 169 lb up at 2-2-12, 1288 lb down and 169 lb up at 4-2-12, 1288 lb down and 169 lb up at 6-2-12, 1288 lb down and 169 lb up at 8-2-12, 1288 lb down and 169 lb up at 10-2-12, 1288 lb down and 169 lb up at 12-2-12, 1288 lb down and 169 lb up at 14-2-12, 1288 lb down and 169 lb up at 16-2-12, 1288 lb down and 169 lb up at 18-2-12, 1288 lb down and 169 lb up at 20-2-12, 1288 lb down and 169 lb up at 22-2-12, and 1288 lb down and 169 lb up at 24-2-12, and 1292 lb down and 165 lb up at 26-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-11=-60, 1-11=-20
Concentrated Loads (lb)
Vert: 12=-1120(F) 18=-1120(F) 19=-1120(F) 20=-1120(F) 21=-1120(F) 22=-1120(F) 23=-1120(F) 24=-1120(F) 25=-1120(F) 26=-1120(F) 27=-1120(F) 28=-1120(F) 29=-1124(F)



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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	J01	MONOPITCH	16	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:26 2022 Page 1
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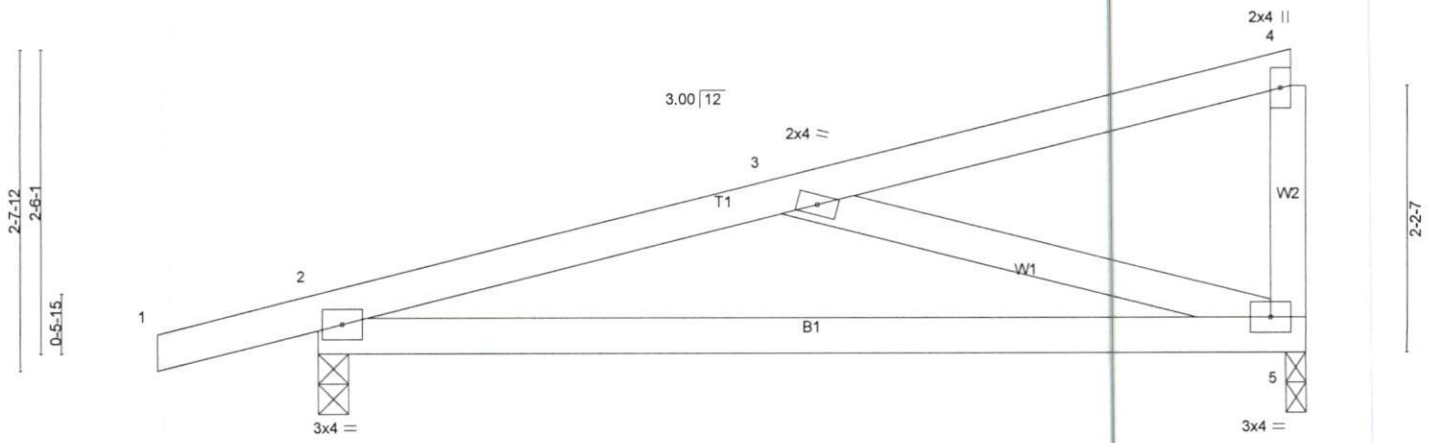
-1-4-0	4-1-10	8-0-8	8-2-0
1-4-0	4-1-10	3-10-14	0-1-8

Scale = 1:18.3



8-2-0
8-2-0

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.23	2-5	>406	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.47	2-5	>203	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

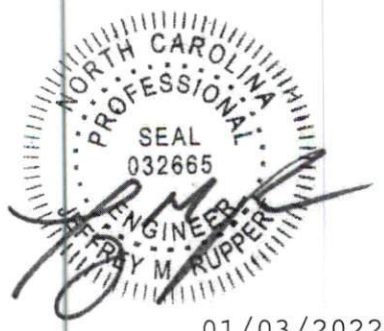
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-7 oc bracing.

REACTIONS. (lb/size) 5=307/0-2-0 (min. 0-1-8), 2=411/0-3-0 (min. 0-1-8)
Max Horz2=97(LC 9)
Max Uplift5=-56(LC 8), 2=-122(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-500/458
BOT CHORD 2-5=-555/448
WEBS 3-5=-464/544

NOTES-
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 8-0-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=122.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	J02	HALF HIP	2	1	Job Reference (optional)

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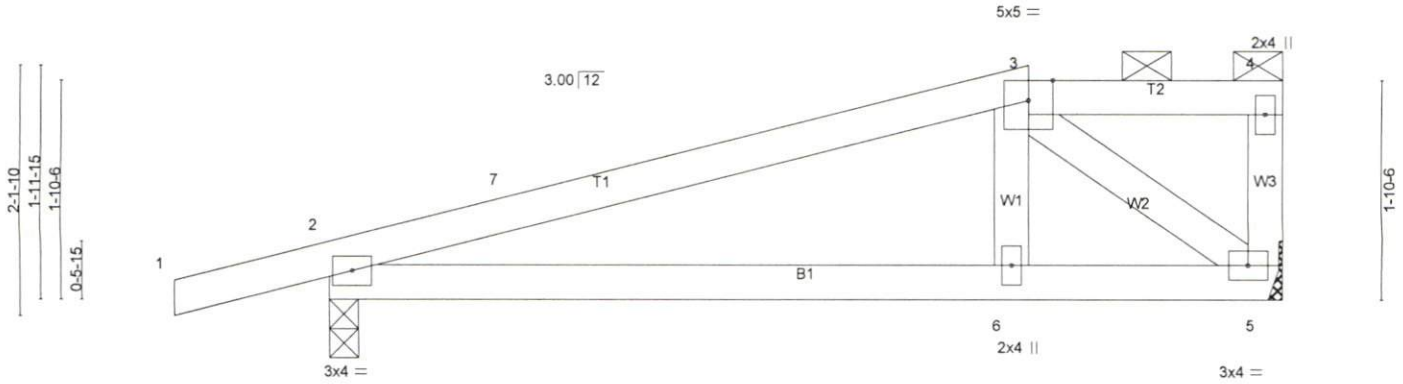
1-4-0	6-0-0	2-2-0

Scale = 1:18.9



	6-0-0	8-2-0
	6-0-0	2-2-0

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.04	2-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.08	2-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=308/Mechanical, 2=411/0-3-0 (min. 0-1-8)
Max Horz2=71(LC 11)
Max Uplift5=-66(LC 8), 2=-126(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-381/95, 3-7=-331/107
BOT CHORD 2-6=-198/319, 5-6=-204/309
WEBS 3-5=-397/235

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 6-0-0, Exterior(2E) 6-0-0 to 8-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=126.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	J03G	HALF HIP GIRDER	2	1	Job Reference (optional)

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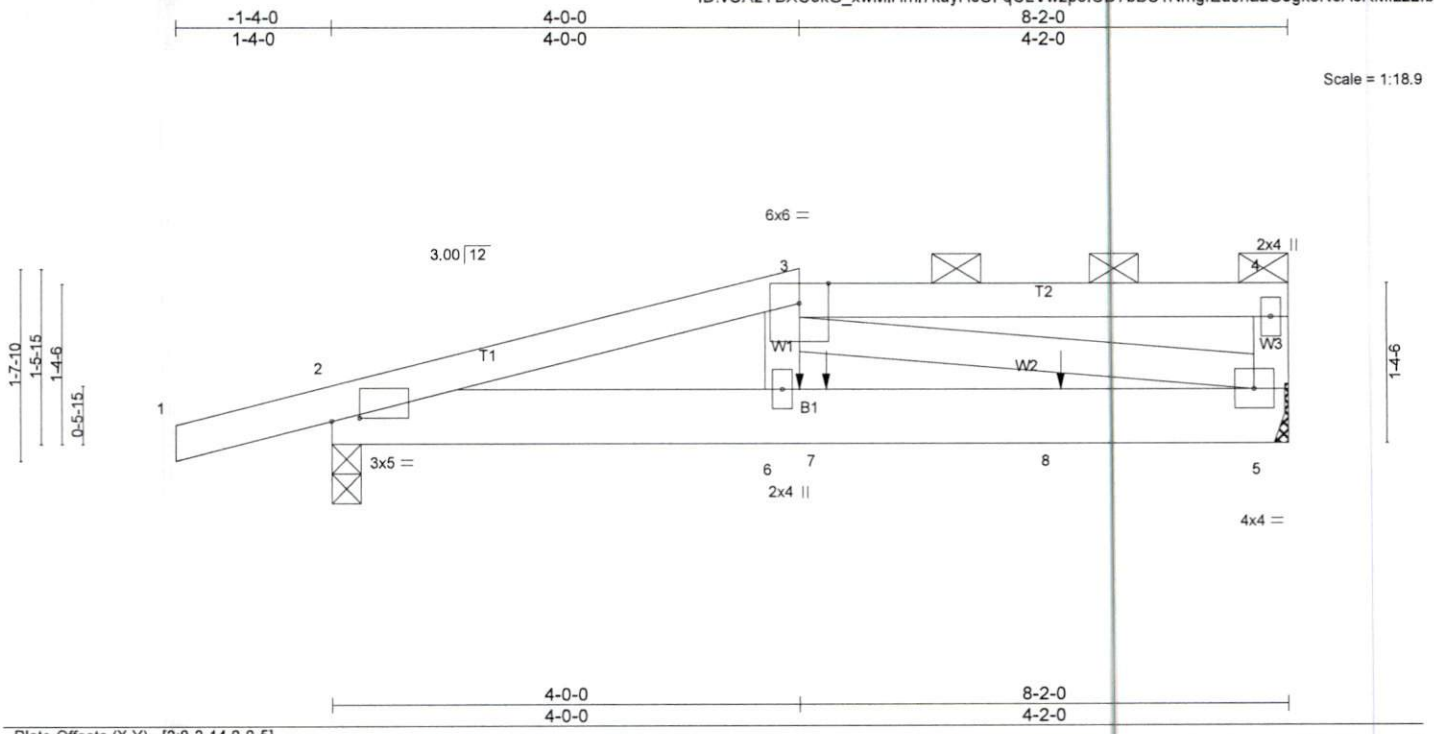

Plate Offsets (X,Y)-- [2:0-2-14,0-0-5]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.03	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.06	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-2 oc purlins, except end verticals , and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=543/Mechanical, 2=592/0-3-0 (min. 0-1-8)
Max Horz2=47(LC 5)
Max Uplift5=-165(LC 4), 2=-215(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1300/383
BOT CHORD 2-6=-362/1228, 6-7=-350/1172, 7-8=-350/1172, 5-8=-350/1172
WEBS 3-6=-87/394, 3-5=-1207/372

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=165, 2=215.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 192 lb down and 126 lb up at 4-0-0, and 112 lb down and 37 lb up at 4-2-12, and 112 lb down and 37 lb up at 6-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 6=-192(B) 7=-112 8=-112

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	J04	JACK-CLOSED	4	1	Job Reference (optional)

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Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:28 2022 Page 1
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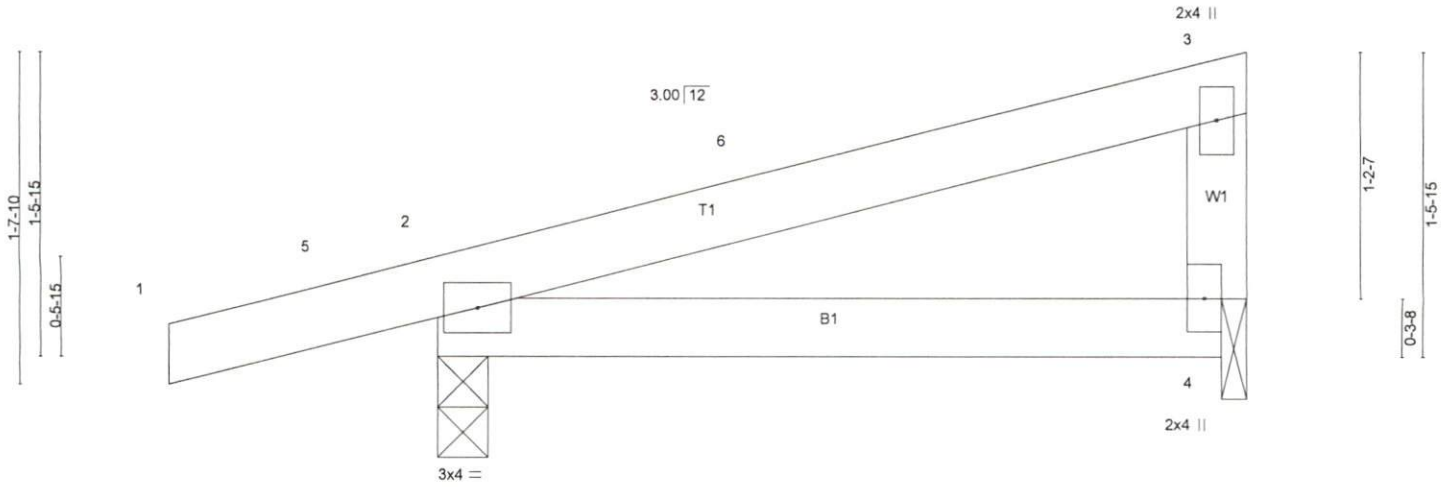
-1-4-0 / 1-4-0 | 3-10-8 / 3-10-8 | 4-0-0 / 0-1-8

Scale = 1:10.9



4-0-0 / 4-0-0

LOADING(psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=254/0-3-0 (min. 0-1-8), 4=132/0-1-8 (min. 0-1-8)
Max Horz2=52(LC 11)
Max Uplift2=-101(LC 8), 4=-17(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=101.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	J05	Jack-Closed	4	1	Job Reference (optional)

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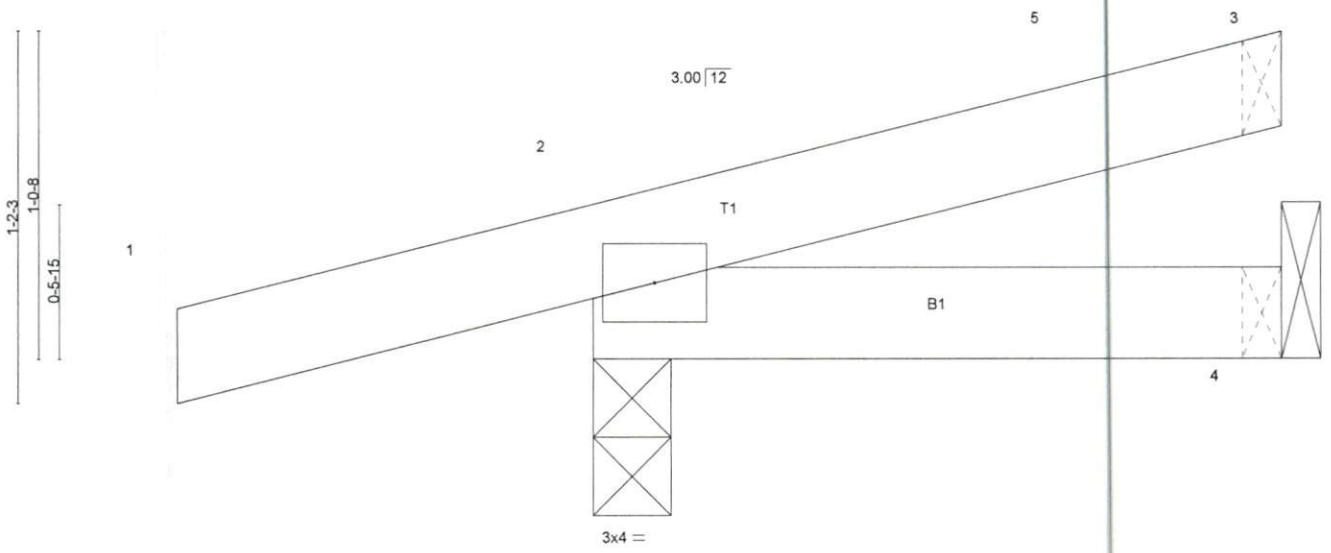
1-4-0 2-2-7

Scale = 1:7.1



2-2-7
2-2-7

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.00	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

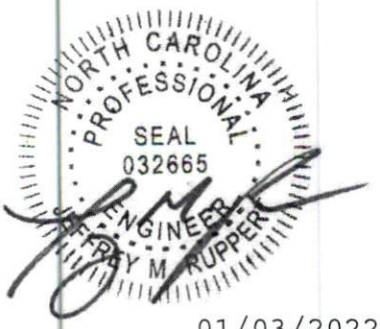
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=200/0-3-0 (min. 0-1-8), 4=53/Mechanical
Max Horz2=68(LC 12)
Max Uplift2=-172(LC 12), 4=-33(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 2-2-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=172.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	KH01	Diagonal Hip Girder	2	1	Job Reference (optional)

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1-10-10 2-11-0 2-8-2

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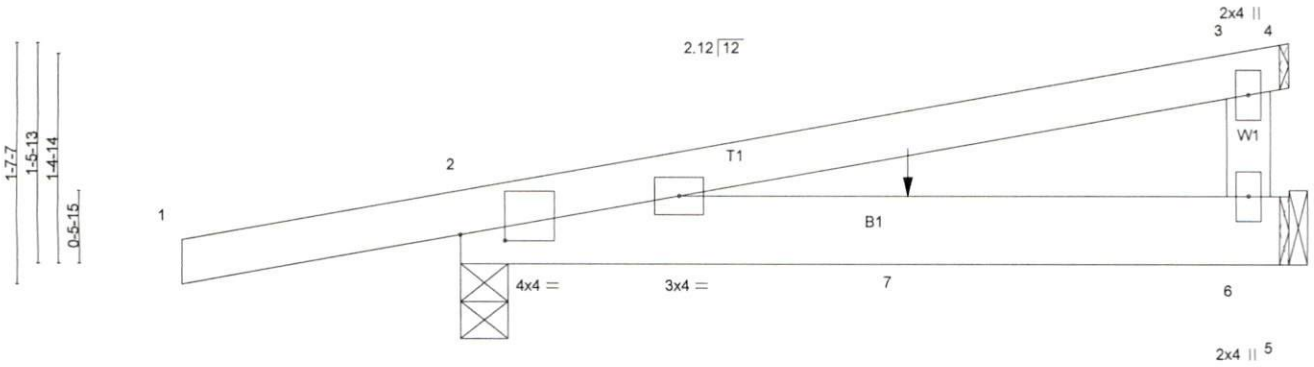

5-7-2
5-7-2

Plate Offsets (X,Y)-- [2:0-3-10,0-0-8]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	0.02	2-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	2-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=375/0-3-14 (min. 0-1-8), 6=220/Mechanical
Max Horz2=53(LC 5)
Max Uplift2=-224(LC 4), 6=-98(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=224.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 25 lb down and 52 lb up at 3-0-5, and 25 lb down and 52 lb up at 3-0-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 2-5=-20
Concentrated Loads (lb)
Vert: 7=-49(F=-25, B=-25)

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V02	Valley	1	1	Job Reference (optional)

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Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:30 2022 Page 1
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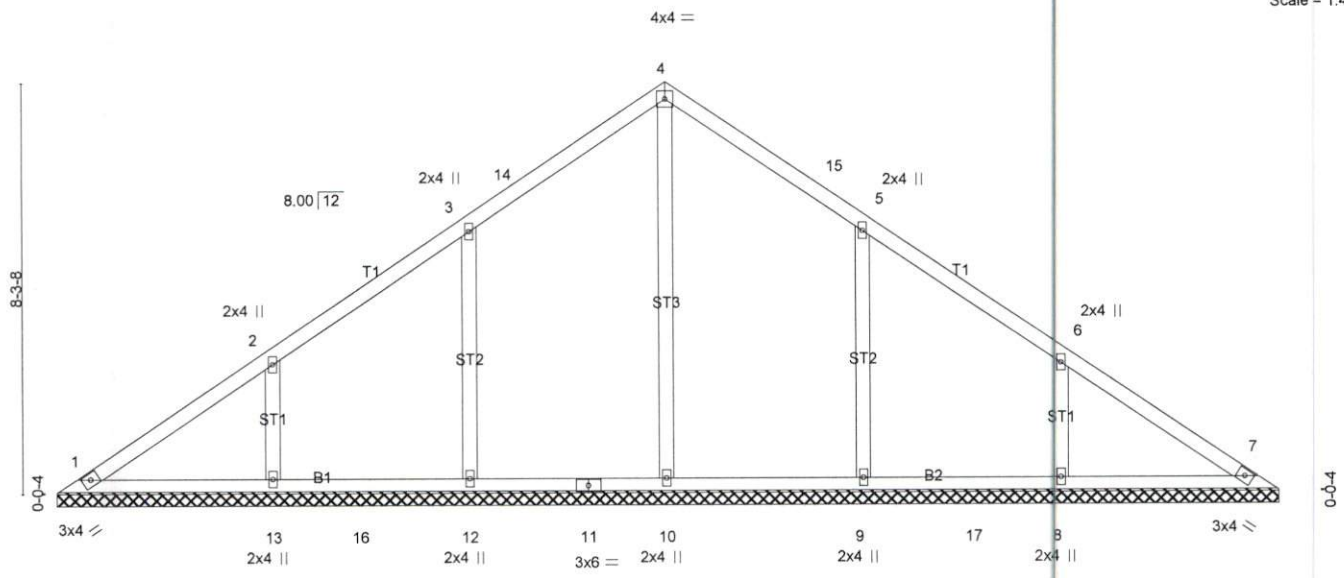
12-5-5 / 12-5-5 | 24-10-9 / 12-5-5

Scale = 1:45.0



0-0-6 / 0-0-6 | 24-10-9 / 24-10-3

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 113 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

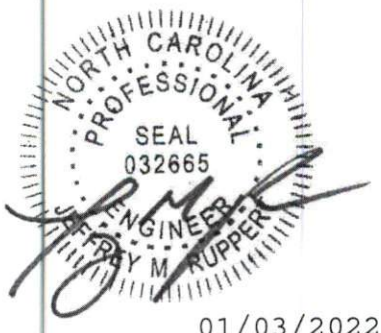
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 24-9-13.
(lb) - Max Horz1=193(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 12=-110(LC 12), 13=-117(LC 12), 9=-110(LC 12), 8=-117(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=380(LC 17), 12=457(LC 17), 13=445(LC 17), 9=457(LC 18), 8=445(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=-266/173, 2-13=-275/164, 5-9=-266/173, 6-8=-276/164

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 12-5-5, Exterior(2R) 12-5-5 to 15-5-5, Interior(1) 15-5-5 to 24-4-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 12, 117 lb uplift at joint 13, 110 lb uplift at joint 9 and 117 lb uplift at joint 8.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V03	Valley	1	1	Job Reference (optional)

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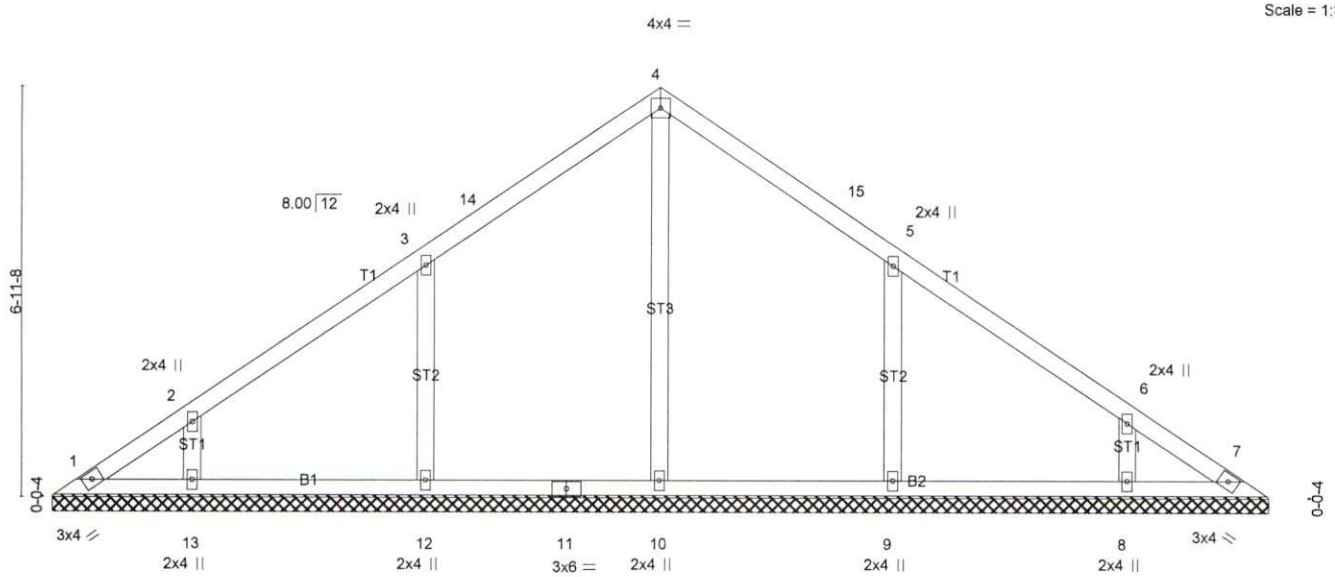
Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:31 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUI-En1dY?sybPbiSeBc2uEMsXxE8nNwtAapo845zzzz2fY

10-5-5 | 20-10-9
10-5-5 | 10-5-5

Scale = 1:37.7



20-10-3 | 20-10-9
20-10-3 | 0-0-6

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-9-13.
(lb) - Max Horz1=-160(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 13, 8 except 12=-118(LC 12), 9=-118(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=372(LC 17), 12=455(LC 17), 13=324(LC 17), 9=455(LC 18), 8=324(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=-281/182, 5-9=-281/182

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 10-5-5, Exterior(2R) 10-5-5 to 13-5-5, Interior(1) 13-5-5 to 20-4-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 13, 8 except (jt=lb) 12=118, 9=118.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V04	Valley	1	1	Job Reference (optional)

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8-5-5 / 8-5-5 | 16-10-9 / 8-5-5

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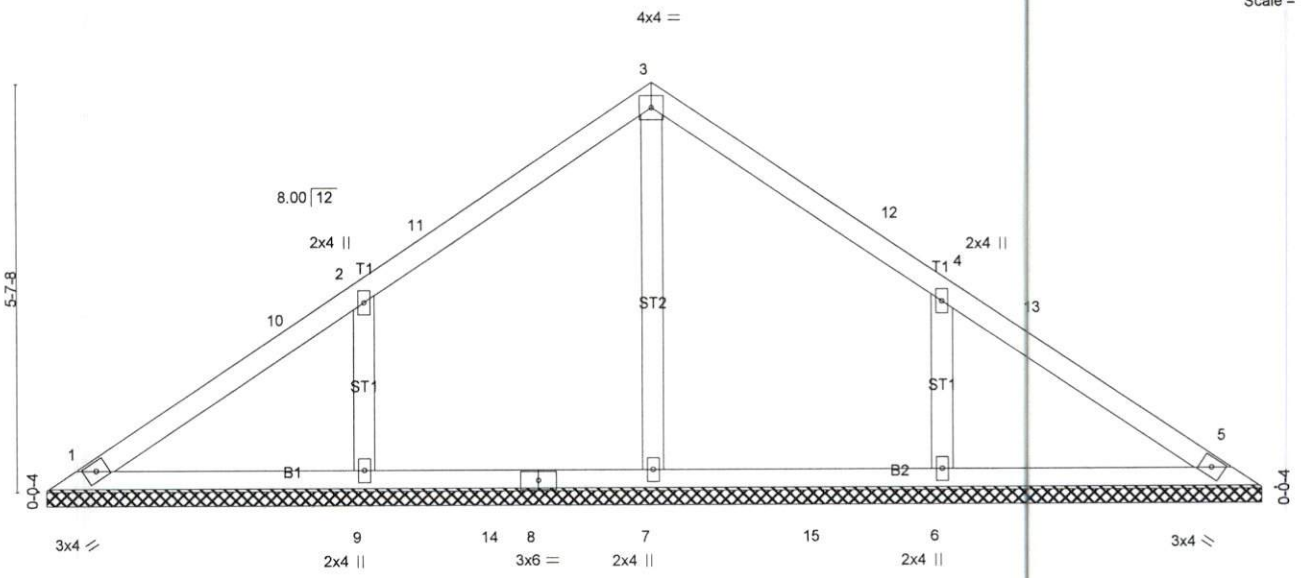


16-10-3 / 16-10-3 | 16-10-9 / 0-0-6

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 68 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

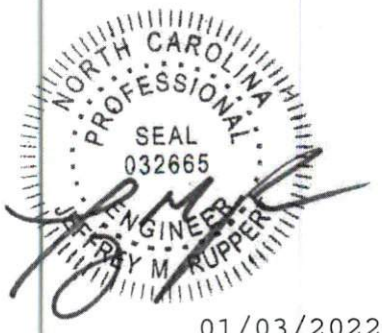
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 16-9-13.
(lb) - Max Horz1=-128(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 9=-128(LC 12), 6=-128(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=341(LC 17), 9=469(LC 17), 6=469(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-299/194, 4-6=-299/194

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 8-5-5, Exterior(2R) 8-5-5 to 11-5-5, Interior(1) 11-5-5 to 16-4-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 128 lb uplift at joint 9 and 128 lb uplift at joint 6.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V05	Valley	1	1	Job Reference (optional)

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Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:33 2022 Page 1
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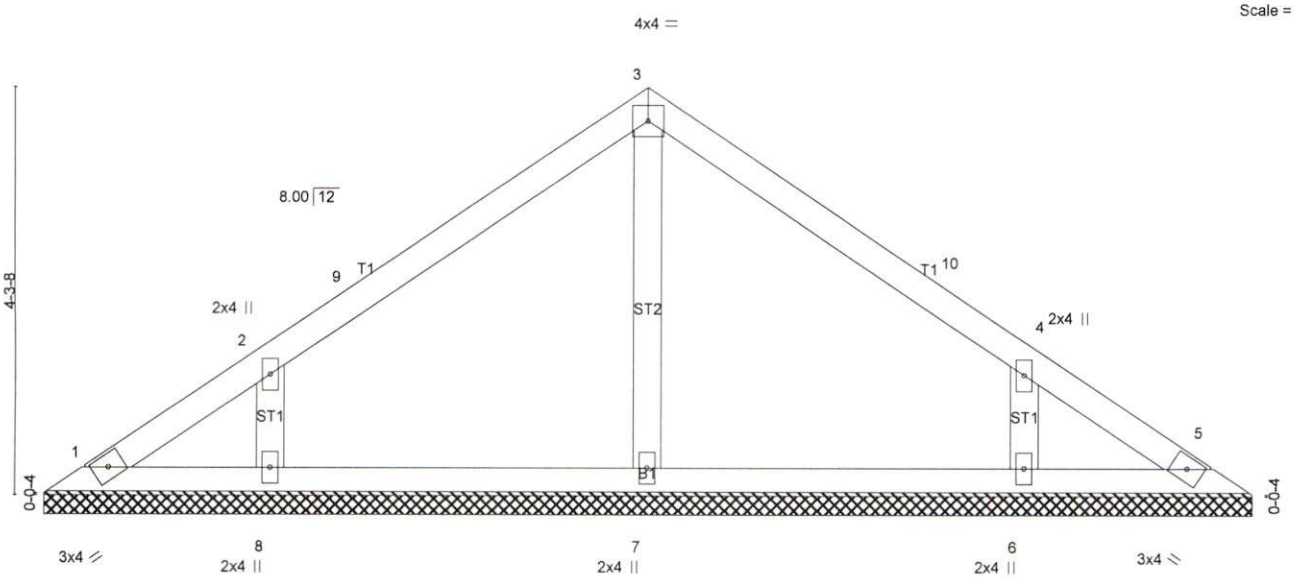
6-5-5 / 6-5-5 | 12-10-9 / 6-5-5

Scale = 1:23.4



12-10-3 / 12-10-3 | 12-10-9 / 0-0-6

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-9-13.
(lb) - Max Horz1=96(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-102(LC 12), 6=-102(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=266(LC 1), 8=308(LC 17), 6=308(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 6-5-5, Exterior(2R) 6-5-5 to 9-5-5, Interior(1) 9-5-5 to 12-4-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=102, 6=102.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V06	Valley	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:33 2022 Page 1
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4-5-5 8-10-9
4-5-5 4-5-5

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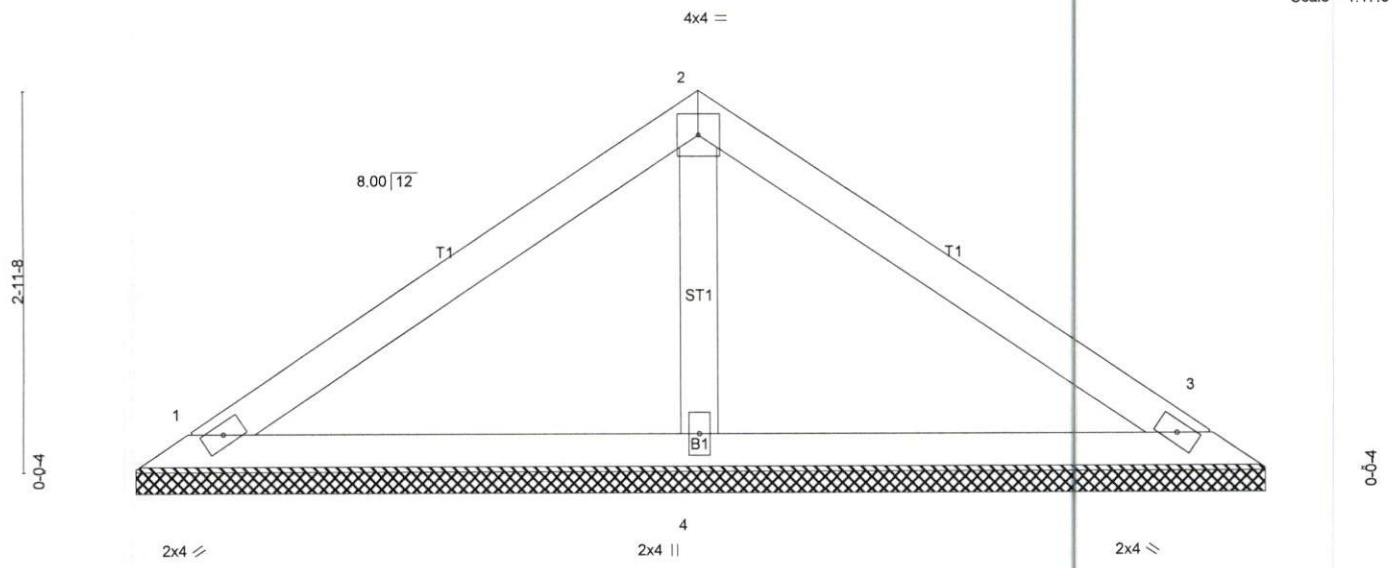


0-0-6 8-10-9
0-0-6 8-10-3

LOADING(psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.30	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.16	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00 3 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P		Weight: 31 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

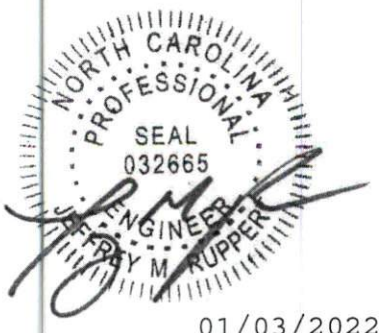
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=171/8-9-13 (min. 0-1-8), 3=171/8-9-13 (min. 0-1-8), 4=292/8-9-13 (min. 0-1-8)
Max Horz1=-64(LC 10)
Max Uplift1=-45(LC 12), 3=-45(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 4-5-5, Exterior(2R) 4-5-5 to 7-5-5, Interior(1) 7-5-5 to 8-4-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



01/03/2022

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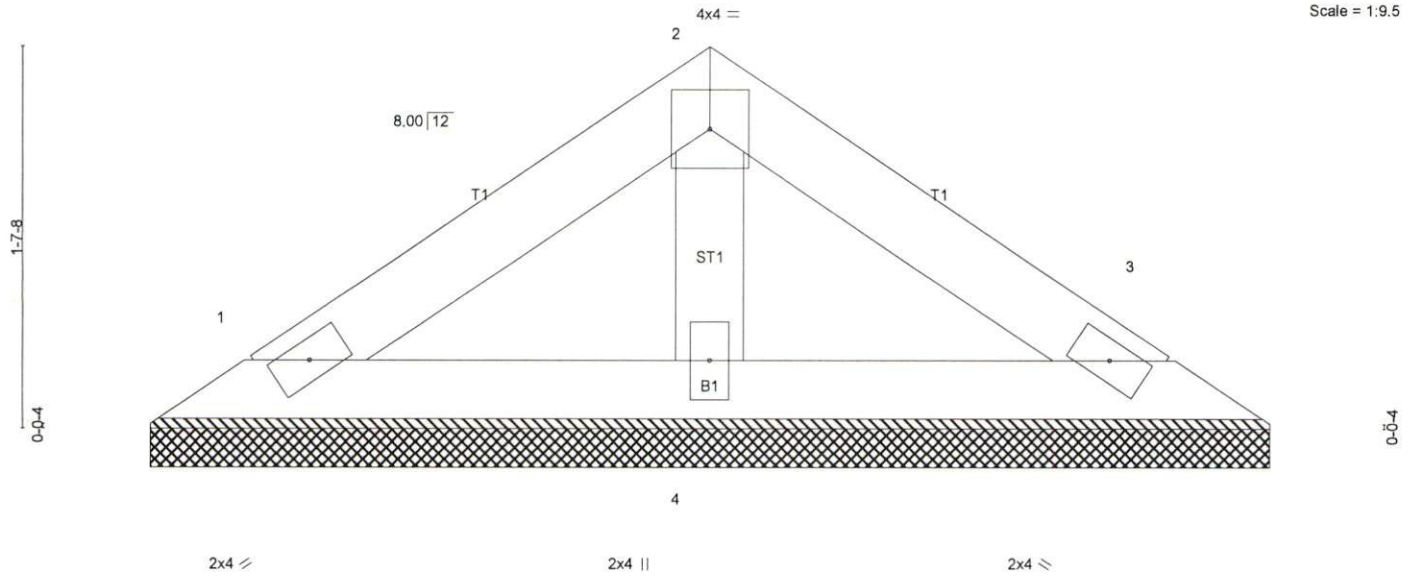
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V07	Valley	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:34 2022 Page 1
ID:vOA2YBXCekG_xwMlHmI7kuyHsUI-eMjmA1uquKzGJ6wBj0n3U9YnM?Qh4ZFFU6JIaIzz2fV

2-5-5 / 2-5-5 — 4-10-9 / 2-5-5

Scale = 1:9.5



4-10-3 / 4-10-3 — 4-10-9 / 0-0-6

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=85/4-9-13 (min. 0-1-8), 3=85/4-9-13 (min. 0-1-8), 4=144/4-9-13 (min. 0-1-8)
Max Horz1=-32(LC 10)
Max Uplift1=-22(LC 12), 3=-22(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

01/03/2022

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V08E	GABLE	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

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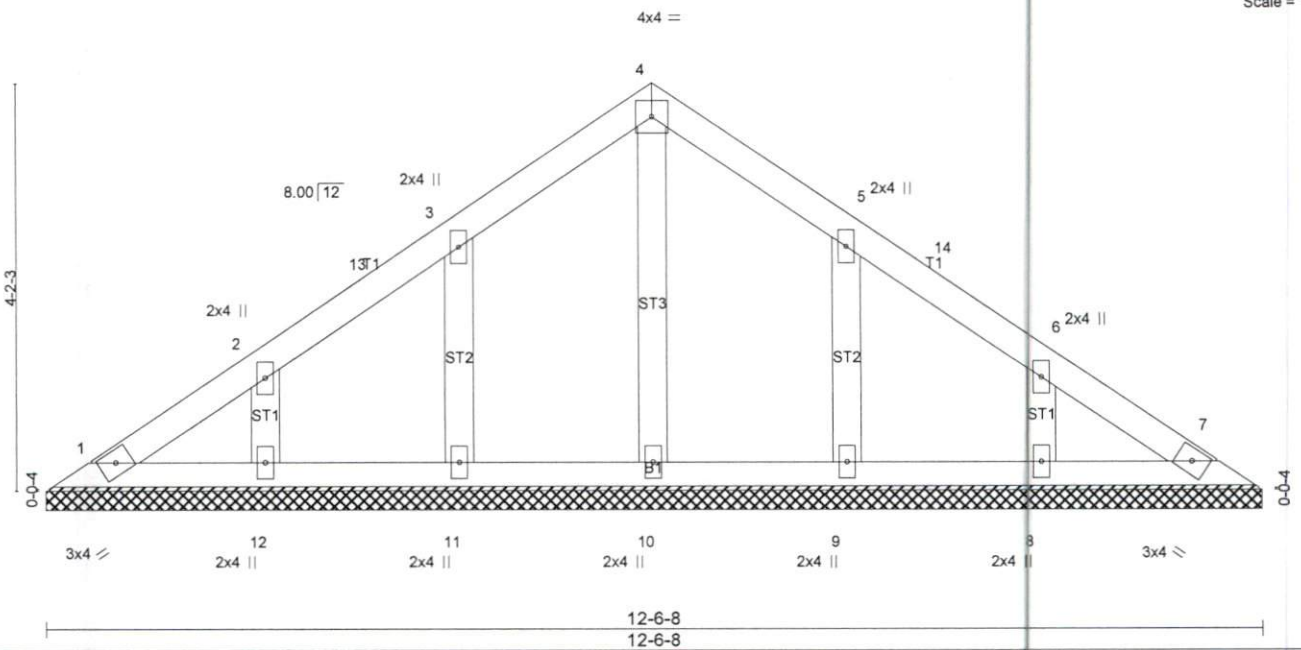
6-3-4 | 12-6-8
6-3-4 | 6-3-4

Scale = 1:22.8



12-6-8
12-6-8

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 54 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

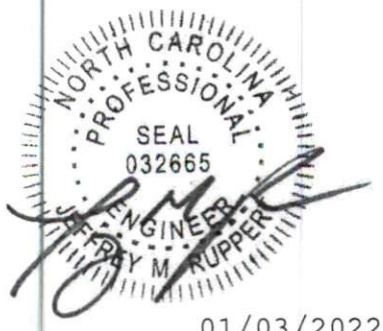
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-6-8.
(lb) - Max Horz1=-93(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-5-12 to 3-5-12, Exterior(2N) 3-5-12 to 6-3-4, Corner(3R) 6-3-4 to 9-3-4, Exterior(2N) 9-3-4 to 12-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 12, 9, 8.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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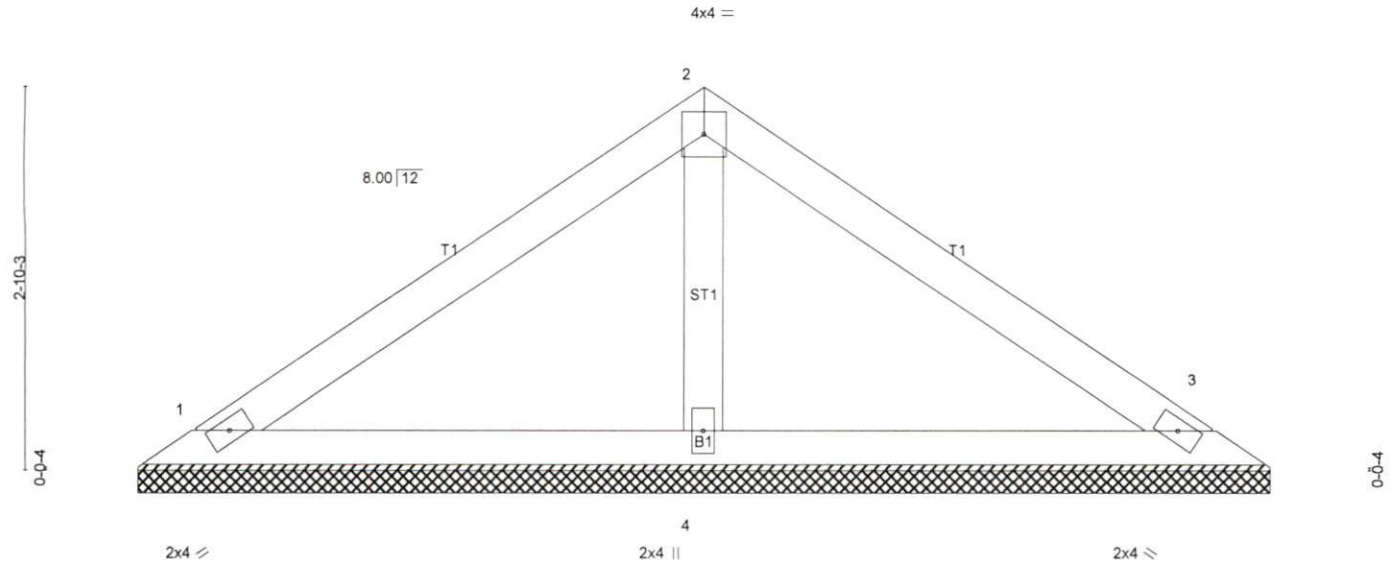
Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V09	Valley	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:36 2022 Page 1
ID:vOA2YBXCekG_xwMlHml7kuyHsUl-blqWbiv5QxD_YP4arRpXZae3mo4VYTSYyQoseBzz2fT

4-3-4 | 8-6-8
4-3-4 | 4-3-4

Scale = 1:16.5



0-0-6 | 8-6-8
0-0-6 | 8-6-2

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=164/8-5-12 (min. 0-1-8), 3=164/8-5-12 (min. 0-1-8), 4=279/8-5-12 (min. 0-1-8)
Max Horz1=61(LC 11)
Max Uplift1=-43(LC 12), 3=-43(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 4-3-4, Exterior(2R) 4-3-4 to 7-3-4, Interior(1) 7-3-4 to 8-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Dave McKinney
2100999-R	V10	Valley	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787 Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Mon Jan 3 14:29:36 2022 Page 1
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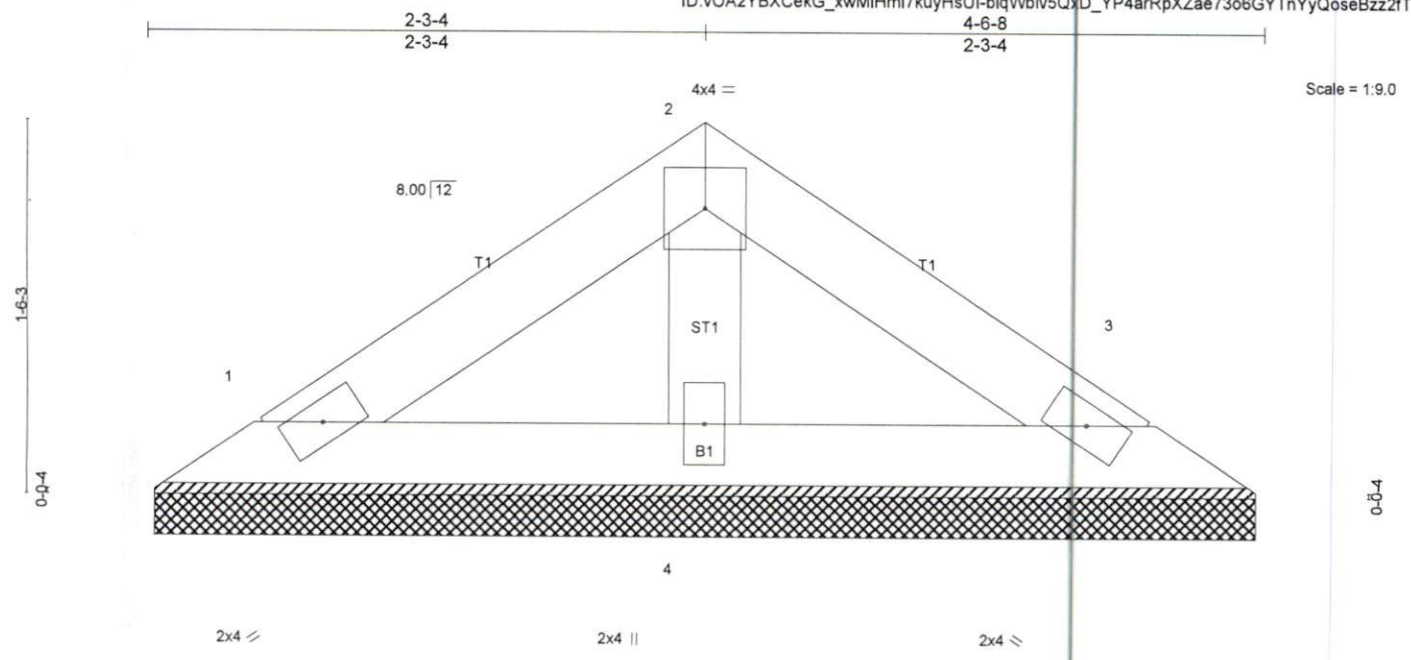


LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

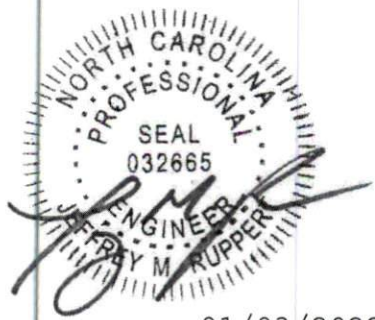
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=77/4-5-12 (min. 0-1-8), 3=77/4-5-12 (min. 0-1-8), 4=132/4-5-12 (min. 0-1-8)
Max Horz1=-29(LC 10)
Max Uplift1=-20(LC 12), 3=-20(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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